WHAT IS CLAIMED IS:

1.   A video apparatus equipped with facility for reading out first video data from a recording medium and processing said first video data to thereby derive therefrom second video data for generating a zoomed-in picture by magnifying a partial area of a picture based on said first video data,

said video apparatus comprising:

a zoom key and a plurality of zoom-in area designating keys disposed at least on either one of a main body of said video apparatus or a remote control unit therefor;

a storage storing correspondence relations between said plurality of zoom-in area designating keys and areas of the picture based on said first video data, respectively; and

a video data processor generating said second video data in response to operation of said zoom key and generating second video data for a zoom-in area corresponding to a given one of said zoom-in area designating keys in response to operation of said given one zoom-in area designating key.

2.   A video apparatus according to claim 1,

further comprising:

a memory storing graphic data indicating to which of the areas of the picture based on said first video data as arrayed in horizontal and vertical directions said zoomed-in picture generated for display

on the basis of said second video data belongs,

wherein said video data processor is designed to combine together said second video data and said graphic data read out from said memory device to thereby generate synthesized data.

3.   A video apparatus according to claim 1,

wherein said plurality of zoom-in area designating keys disposed at least on either one of the main body of the video apparatus or said remote control unit are arrayed orderly such that the array of said plurality of zoom-in area designating keys can be visually associated with a plurality of specific partial areas of a picture based on said first video data.

4.   A video apparatus according to claim 3,

wherein said plurality of zoom-in area desig-nating keys are used for designating a location to be zoomed in when said zoom key has been previously operated while being used for other purposes than the designation of the location for zoom-in unless said zoom key has not been operated in precedence, said zoom-in area designating keys including keys labeled "1" to "9", respectively, and disposed in a three-row-by-three-column (3 x 3) array.

5.   A video apparatus equipped with facility for reading out first video data from a recording medium and processing said first video data to thereby derive therefrom second video data for generating a zoomed-in picture by magnifying a partial area of a picture based

on said first video data,

said video apparatus comprising:

a zoom key and a plurality of zoom-in area designating keys disposed at least on either one of a main body of said video apparatus or a remote control unit therefor;

a storage storing correspondence relations between said plurality of zoom-in area designating keys and areas of the picture based on said first video data, respectively; and

a video data processor set to a state for generating said second video data upon operation of said zoom-in area designating key in dependence on operation of said zoom key for thereby generating second video data for a zoom-in area corresponding to a given one of said zoom-in area designating keys in response to operation of said given one zoom-in area designating key.

6.   A video apparatus according to claim 5,
         further comprising:

a memory storing graphic data indicating to which of the areas of the picture based on said first video data as arrayed in horizontal and vertical directions said zoomed-in picture generated for display on the basis of said second video data belongs, wherein said video data processor is designed to combine together said second video data and said graphic data

read out from said memory device to thereby generate synthesized data.

7.   A video apparatus according to claim 5,

wherein said plurality of zoom-in area designating keys disposed at least on either one of the main body of the video apparatus or said remote control unit are arrayed orderly such that the array of said plurality of zoom-in area designating keys can be visually associated with a plurality of specific partial areas of a picture based on said first video data.

8.   A video apparatus according to claim 7,

wherein said plurality of zoom-in area desig- nating keys are used for designating a location to be zoomed in when said zoom key has been previously operated while being used for other purposes than the designation of the location for zoom-in unless said zoom key has not been operated in precedence, said zoom-in area designating keys including keys labeled "1" to "9", respectively, and disposed in a three-row-by-three- column (3 x 3) array.

9.   A video apparatus equipped with facility for reading out first video data from a recording medium and processing said first video data to thereby derive therefrom second video data for generating a zoomed-in picture by magnifying a partial area of a picture based on said first video data,

said video apparatus comprising:

a plurality of zoom-in area designating keys

disposed at least on either one of a main body of said video apparatus or a remote control unit therefor;

a storage storing correspondence relations between said plurality of zoom-in area designating keys and areas of the picture based on said first video data, respectively; and

a video data processor generating second video data for a zoom-in area corresponding to a given one of said zoom-in area designating keys in response to operation of said given one zoom-in area designating key.

10.   A video apparatus according to claim 9,

further comprising:

a memory storing graphic data indicating to which of the areas of the picture based on said first video data as arrayed in horizontal and vertical directions said zoomed-in picture generated for display on the basis of said second video data belongs, wherein said video data processor unit is designed to combine together said second video data and said graphic data read out from said memory device to thereby generate synthesized data.

11.   A video apparatus according to claim 9,

wherein said plurality of zoom-in area designating keys disposed at least on either one of the main body of the video apparatus or said remote control unit are arrayed orderly such that the array of said plurality of zoom-in area designating keys can be

visually associated with a plurality of specific partial areas of a picture based on said first video data.

12.   A video apparatus according to claim 11,

wherein said plurality of zoom-in area designating keys are used for designating a location to be zoomed in when said zoom key is singly operated while being used for other purposes than the designation of the location for zoom-in after another key is operated in precedence, said zoom-in area designating keys including keys labeled "1" to "9", respectively, and disposed in a three-row-by-three-column (3 x 3) array.

13.   A video apparatus equipped with facility for reading out video data from a recording medium and displaying a zoomed-in magnified picture on a screen of a picture displaying unit on the basis of said video data,

said video apparatus comprising:

a plurality of zoom-in area designating keys disposed at least on either one of a main body of said video apparatus or a remote control unit therefor;

a storage storing correspondence relations, respectively, between said plurality of zoom-in area designating keys and zoom-in areas resulting from partition of a picture being displayed on said screen on the basis of said video data into a plurality of picture areas; and

a video data processor displaying on said screen a zoomed-in picture of a zoom-in area

corresponding to a given one of said zoom-in area designating keys in response to operation of said given one zoom-in area designating key.

14.   A video apparatus equipped with facility for reading out video data from a recording medium and displaying a zoomed-in magnified picture on a screen of a picture displaying unit on the basis of said video data,

said video apparatus comprising:

a plurality of zoom-in area designating keys disposed at least on either one of a main body of said video apparatus or a remote control unit therefor;

a storage storing correspondence relations, respectively, between said plurality of zoom-in area designating keys and zoom-in areas resulting from partition of a picture being displayed on said screen on the basis of said video data into a plurality of picture areas; and

a video data processor designed such that when a second given one of said zoom-in area designating keys is operated in a state where a zoomed-in picture (first zoom-in magnified picture) of a zoom-in area corresponding to a first given one of said zoom-in area designating keys is being displayed, said second given one zoom-in area designating key differing from said first given zoom-in area designating key, a third zoomed-in picture is displayed which differs from said first zoomed-in picture and a second zoomed-in picture

of a zoom-in area corresponding to said second given zoom-in area designating key in precedence to displaying on said screen said second zoomed-in picture of the zoom-in area corresponding to said second zoom-in area designating key operated.

15.   A video apparatus equipped with facility for reading out first video data from a recording medium and processing said first video data to thereby derive therefrom second video data for generating a zoomed-in picture by magnifying a partial area of a picture based on said first video data,

said video apparatus comprising:

a video data processor; and

a memory storing graphic data indicating to which of the areas of the picture based on said first video data as arrayed in horizontal and vertical directions said zoomed-in picture generated for display on the basis of said second video data belongs,

wherein said video data processor is designed to combine together said second video data and said graphic data read out from said memory device to thereby generate synthesized data.

16.   For a video apparatus equipped with facility for reading out first video data from a recording medium and processing said first video data to thereby derive therefrom second video data for generating a zoomed-in picture by magnifying a partial area of a picture based on said first video data,

a zoom location displaying method comprising the steps of:

detecting the zoom location of the zoomed-in picture on a display screen; and

displaying at a location of said display screen corresponding to the detected zoom location of zoomed-in picture, graphic data indicating to a memory storing graphic data indicating to which of the areas of the picture based on said first video data as arrayed in horizontal and vertical directions said zoomed-in picture generated for display on the basis of said second video data belongs.

17.   For a video apparatus equipped with facility for reading out first video data from a recording medium and processing said first video data to thereby derive therefrom second video data for generating a zoomed-in picture by magnifying a partial area of a picture based on said first video data, said video apparatus including a zoom key and a plurality of zoom-in area designating keys disposed at least on either one of a main body of said video apparatus or a remote control unit therefor;

a zoom-processing method comprising the steps of:

storing correspondence relations between said plurality of zoom-in area designating keys and areas of the picture based on said first video data, respec-tively; and

generating said second video data in response

to operation of said zoom key and generating second video data for a zoom-in area corresponding to a given one of said zoom-in area designating keys in response to operation of said given one zoom-in area designating key.

18.   For a video apparatus equipped with facility for reading out first video data from a recording medium and processing said first video data to thereby derive therefrom second video data for generating a zoomed-in picture by magnifying a partial area of a picture based on said first video data, said video apparatus including a zoom key and a plurality of zoom-in area designating keys disposed at least on either one of a main body of said video apparatus or a remote control unit therefor;

a zoom processing method comprising the steps of:

providing correspondence relations between said plurality of zoom-in area designating keys and areas of the picture based on said first video data, respectively; and

generating said second video data upon operation of said zoom-in area designating key in dependence on operation of said zoom key for thereby generating second video data for a zoom-in area corresponding to a given one of said zoom-in area designating keys in response to operation of said given one zoom-in area designating key.

19.   For a video apparatus equipped with facility
for reading out first video data from a recording medium
and processing said first video data to thereby derive
therefrom second video data for generating a zoomed-in
picture by magnifying a partial area of a picture based
on said first video data, said video apparatus including
a plurality of zoom-in area designating keys disposed at
least on either one of a main body of said video
apparatus or a remote control unit therefor,

        a zoom processing method comprising the steps
of;

        providing correspondence relations between
said plurality of zoom-in area designating keys and
areas of the picture based on said first video data,
respectively; and

        generating second video data for a zoom-in
area corresponding to a given one of said zoom-in area
designating keys in response to operation of said given
one zoom-in area designating key.

20.   For a video apparatus equipped with facility
for reading out video data from a recording medium and
displaying a zoomed-in magnified picture on a screen of
a picture displaying unit on the basis of said video
data, said video apparatus including a plurality of
zoom-in area designating keys disposed at least on
either one of a main body of said video apparatus or a
remote control unit therefor,

a zoom processing method comprising the steps of;

holding correspondence relations, respectively, between said plurality of zoom-in area designating keys and zoom-in areas resulting from partition of a picture being displayed on said screen on the basis of said video data into a plurality of picture areas; and

displaying on said screen a zoomed-in picture of a zoom-in area corresponding to a given one of said zoom-in area designating keys in response to operation of said given one zoom-in area designating key.

21. A computer program product comprising a computer usable medium having computer executable instructions to perform for processing zoom display in a video apparatus equipped with means for reading out first video data from a recording medium and processing said first video data to thereby derive therefrom second video data for generating a zoomed-in picture by magnifying a partial area of a picture based on said first video data, said method comprising the steps of:

detecting the zoom location of the zoomed-in picture on a display screen; and

displaying at a location of said display screen corresponding to the detected zoom location of zoomed-in picture, graphic data indicating to a memory storing graphic data indicating to which of the areas of

the picture based on said first video data as arrayed in horizontal and vertical directions said zoomed-in picture generated for display on the basis of said second video data belongs.